

OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

August 18, 1977

Brunson-Spines, Inc.
615 4th Financial Center
Wichita, Kansas 67202

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core samples taken from the W. Jones Lease, Well No. 3, Coffey County, Kansas, and submitted to our laboratory on August 12, 1977.

The core is from a virgin territory and was sampled by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

James E. Russell

James E. Russell

By Perry S. Brigham

Geologist

JER:vm
10 c to Wichita, Kansas

T. G. WRIGHT DONATION
1995

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Brunson-Spines, Inc. Lease W. Jones Well No. 3

Location SW NW NW

Section 6 Twp. 19S Rge. 15E County Coffey State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - (Received) - - - - - 1470.0

Bottom of Core - - - - - (Received) - - - - - 1496.0

Top of Sand - - - - - (Received) - - - - - 1470.0

Bottom of Sand - - - - - (Received) - - - - - 1496.0

Total Feet of Permeable Sand - - - - - 24.5

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 4	3.5	3.5
4 - 8	4.0	7.5
8 - 32	5.0	12.5
32 - 100	3.0	15.5
100 - 200	2.0	17.5
200 - 300	3.0	20.5
300 & above	4.0	24.5

Average Permeability Millidarcys - - - - - 111.9

Average Percent Porosity - - - - - 20.8

Average Percent Oil Saturation - - - - - 16.5

Average Percent Water Saturation - - - - - 68.4

Average Oil Content, Bbls./A. Ft. - - - - - 285.

Total Oil Content, Bbls./Acre - - - - - 7,267.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - -

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - -

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - -

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

OILFIELD RESEARCH LABORATORIES

- LOG -

Company Brunson-Spines, Inc. Lease W. Jones Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
1470.0 - 1472.0	Light brown sandstone.
1472.0 - 1473.5	Hard grayish light brown calcareous sandstone.
1473.5 - 1485.0	Grayish light brown very shaly sandstone.
1485.0 - 1495.0	Light brown sandstone.
1495.0 - 1496.0	Grayish light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE I-B

Company Brunson-Spines, Inc. Lease W. Jones Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Total	Ft.		
1	1470.5	23.7	25	58	460	259.	1.0	1.0	460	259.00
2	1471.5	24.4	27	49	511	203.	1.0	2.0	511	203.00
3	1472.5	8.4	5	77	33	Imp.	1.0	3.0	33	0.00
4	1473.4	10.6	6	75	49	-	0.5	3.5	25	-
P-4	1473.6	-	-	-	-	0.33	0.5	4.0	-	0.16
5	1474.5	17.0	12	80	158	1.8	1.0	5.0	158	1.80
6	1475.5	20.2	16	64	251	12.	1.0	6.0	251	12.00
7	1476.5	18.8	4	85	58	7.3	1.0	7.0	58	7.30
8	1477.5	18.6	5	88	72	7.5	1.0	8.0	72	7.50
9	1478.5	19.5	10	78	151	8.9	1.0	9.0	151	8.90
10	1479.5	20.8	31	57	500	14.	1.0	10.0	500	14.00
11	1480.5	17.8	4	90	55	2.6	1.0	11.0	55	2.60
12	1481.5	18.4	5	88	71	2.7	1.0	12.0	71	2.70
13	1482.5	18.1	6	86	84	4.5	1.0	13.0	84	4.50
14	1483.5	19.8	19	73	292	31.	1.0	14.0	292	31.00
15	1484.5	19.4	23	58	346	12.	1.0	15.0	346	12.00
16	1485.5	23.4	25	55	454	87.	1.0	16.0	454	87.00
17	1486.5	21.4	19	63	316	35.	1.0	17.0	316	35.00
18	1487.5	25.1	21	56	409	340.	1.0	18.0	409	340.00
19	1488.5	24.8	19	59	366	371.	1.0	19.0	366	371.00
20	1489.5	25.9	29	58	583	266.	1.0	20.0	583	266.00
21	1490.5	23.7	27	59	497	82.	1.0	21.0	497	82.00
22	1491.5	23.9	19	60	352	127.	1.0	22.0	352	127.00
23	1492.5	24.3	20	57	377	310.	1.0	23.0	377	310.00
24	1493.5	24.6	23	61	439	352.	1.0	24.0	439	352.00
25	1494.5	23.1	17	62	305	198.	1.0	25.0	305	198.00
26	1495.5	18.8	7	85	102	7.0	1.0	26.0	102	7.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

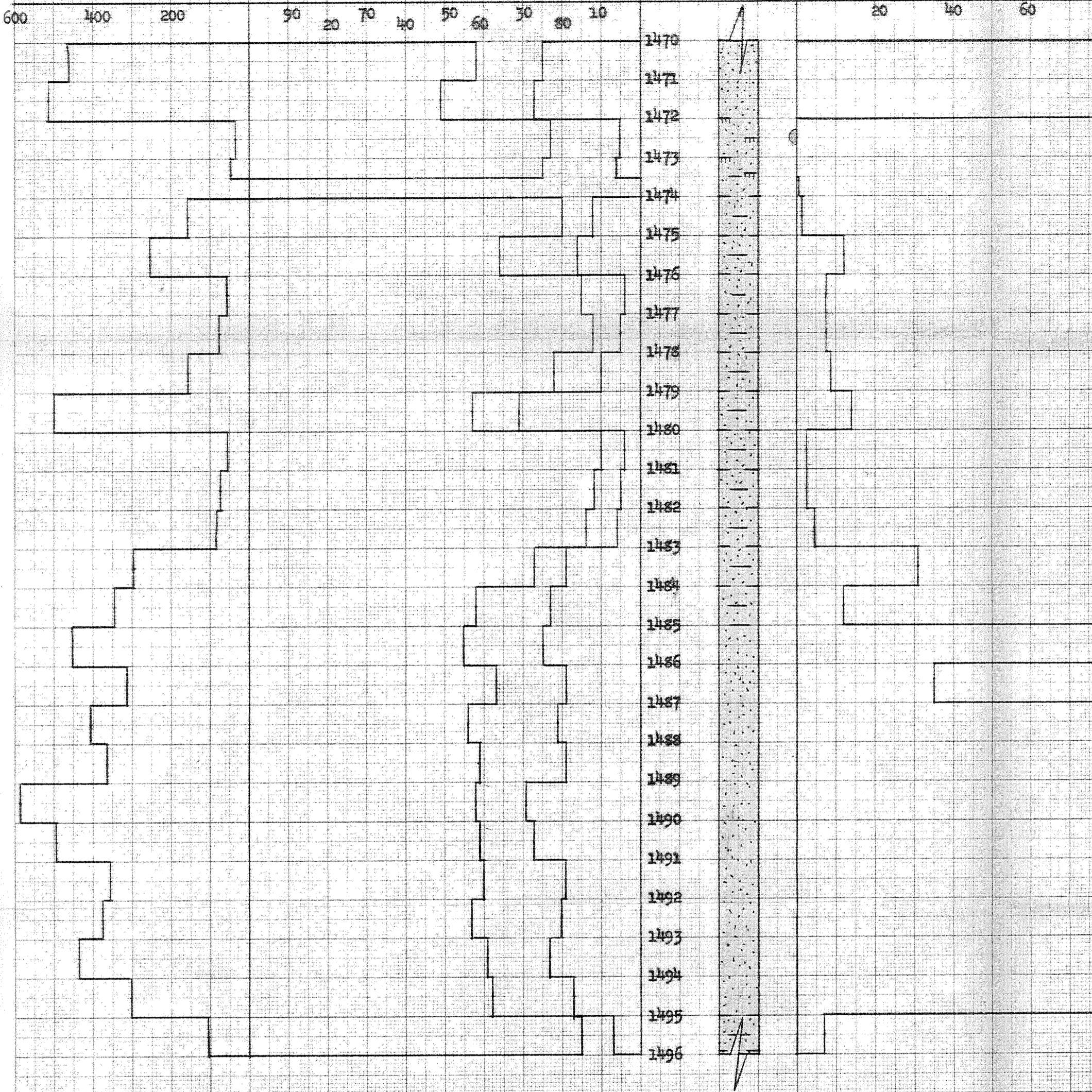
Company Brunson-Spines, Inc. Lease W. Jones Well No. 3

Depth Interval, Feet	Feet of Core Analyzed	Average Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
1470.0 - 1484.0	12.5	18.6	12.7	74.9	44.4	554.46	2,721
1484.0 - 1496.0	12.0	23.2	20.8	61.1	182.3	2,187.00	4,546
1470.0 - 1496.0	24.5	20.8	16.5	68.4	111.9	2,741.46	7,267

OIL CONTENT
BBLs./A. FT.

WATER SAT.
PERCENT

OIL SAT.
PERCENT



 SANDSTONE

 SHALY SANDSTONE

BRUNSON - SPINES

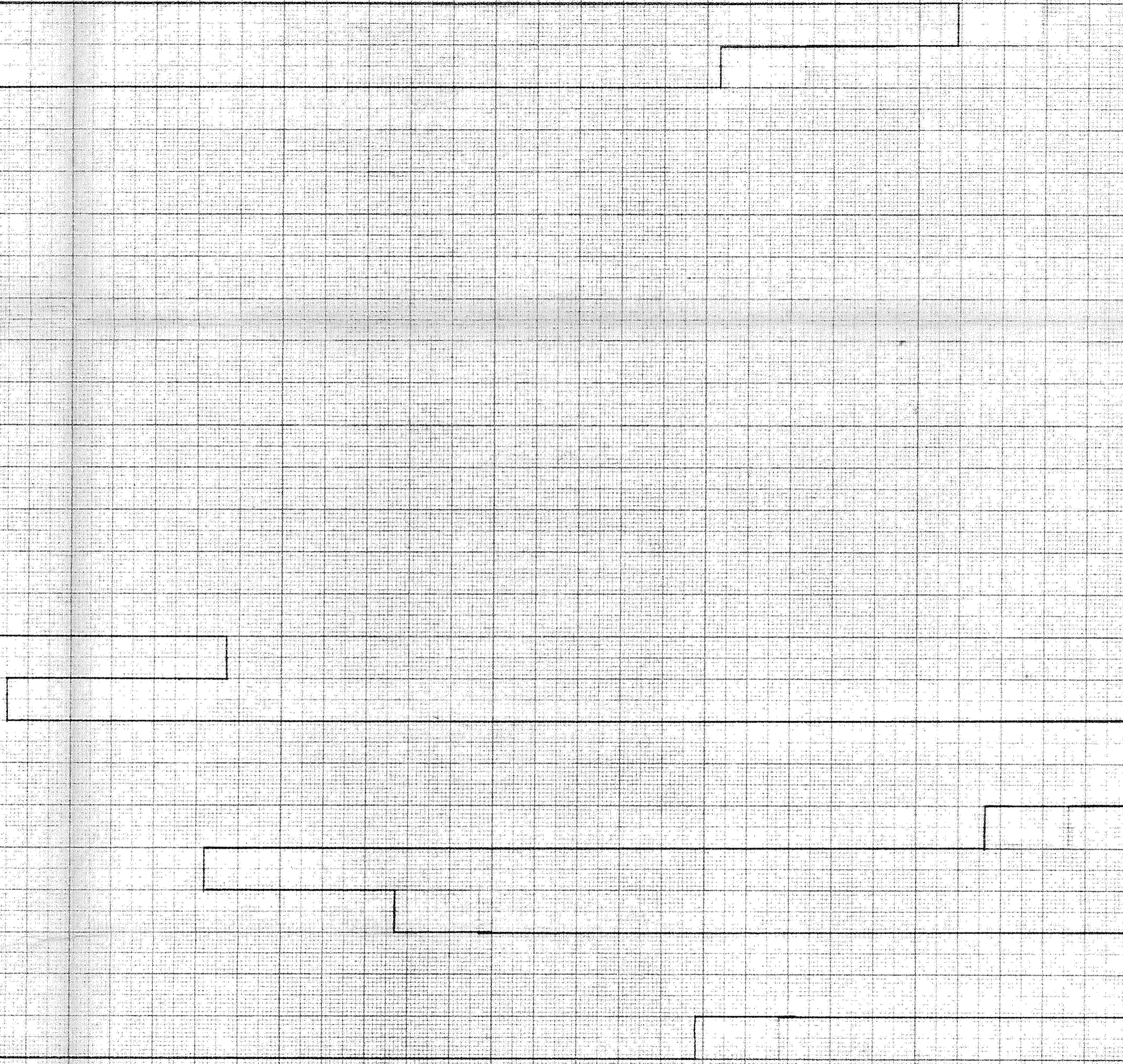
W. JONES LEASE

COFFEY COUNTY, KANSAS

DEPTH INTERVAL FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT
1470.0 - 1484.0	13.5	18.6	12.7	74.9
1484.0 - 1496.0	12.0	23.2	20.8	61.1
1470.0 - 1496.0	25.5	20.8	16.5	68.4

AIR PERMEABILITY, IN MILLIDARYS

40 60 80 100 120 140 160 180 200 220 240 260 280 300



CALCAREOUS SANDSTONE



IMPERMEABLE TO AIR

N - SPINES, INC.

WELL NO. 3

ROFFY COUNTY, KANSAS

AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBL./A. FT.	TOTAL OIL CONTENT BBL./ACRE	AVG. AIR PERMEABILITY MILLIDARYS
12.7	74.9	202	2,721	44.4
20.8	61.1	379	4,546	182.3
16.5	68.4	285	7,267	111.9

OILFIELD RESEARCH LABORATORIES
OHARUTT, KANSAS
AUGUST, 1977.

MILLIMETER
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